



DOWNERS GROVE SANITARY DISTRICT

Discharge Permit Number 2

Issuance Date: October 15, 1995

Expiration Date: October 15, 2000

Permittee Name: Tricon Industries, Inc.

Permittee Address: 1600 Eisenhower Lane
Lisle, Illinois 60532

Name of Premise Permitted: Tricon Industries, Inc.
Electromechanical Division

Location of Premise Permitted: 2325 Wisconsin Avenue
Downers Grove, Illinois 60515

In accordance with the provisions of Article II(A), Section 400, of the District's Sewer Use Ordinance, the above designated Permittee is hereby authorized to discharge industrial wastewater from the above facility and through the discharge lines identified herein, into the sanitary sewer system of the Downers Grove Sanitary District subject to said Permittee's compliance with applicable pretreatment standards, District ordinances, and the terms and conditions of this permit. The Permittee is not authorized to discharge wastewater to the District except by permit. Compliance with this permit does not relieve the Permittee of its obligations to comply with any and all applicable pretreatment regulations, standards or requirements under local, state, or Federal laws, including any such regulations, standards, requirements, or laws that become effective during the term of this permit.

Non compliance with any term or condition of this permit shall constitute a violation of the Downers Grove Sanitary District's Sewer Use Ordinance.

The Permittee is not authorized to discharge after the above expiration date or the expiration date of any renewal of this permit. The Permittee shall submit to the District such information, forms and fees as are required in accordance with Article II(A), Section 400.105(e), as application for permit renewal, a minimum of ninety (90) days prior to the expiration date.

DOWNERS GROVE SANITARY DISTRICT

By: Lawrence C. Cox
Lawrence C. Cox, District General Manager

I. Description of the Permitted Discharge

The permitted industrial facility contains processes for the manufacture of electromechanical switches and connectors used in the production of automotive, communications and household equipment. Operations on site include a captive electroplating operation and associated cleaning and finishing operations. These process operations are governed by the federal categorical regulations for the Metal Finishing Industry, 40 CFR Part 433.

Rinsewater from the plating and finishing areas are pretreated, prior to discharge to the sanitary sewer system. The treatment provided includes an alkaline chlorination treatment for cyanide destruction, and final pH adjustment.

While solids are collected in a settling basin, no treatment is provided for dissolved or complexed metals. Therefore, plating solutions and the concentrated rinsewaters are prohibited from discharge to this system, whether by accidental or deliberate means.

The wastewater discharged from this facility consists of: 1) Process wastewater, estimated at 6,500 gallons daily, and 2) sanitary wastewater, estimated at 3,500 gallons per day.

The point of discharge to the District's sanitary sewer system is at District Manhole Number II-A-54. Three sampling points are identified in this permit:

001-A This point is in the plating/finishing department, at the inspection tank, and represents the pretreated plating/finishing rinsewater flow. This sampling point will be used for all monitoring to establish compliance with the limits on metal and TTO parameters cited in Sections II(A) and (B).

001-B This point is at the cyanide destruction pit in the plating area. This point shall be used to collect the cyanide grab samples to determine compliance with the cyanide limit cited in Section II(A).

001-C This is the inspection manhole in front of the building. This point will be used to monitor compliance with the District's specific local limits as described in the Ordinance.

II. Discharge Limitations

A. During the effective period of this permit, the discharge flow from the electroplating operation shall not exceed an average daily flow of 8,500 gallons per day, and shall not exceed the following limitations:

<u>Pollutant</u>	<u>Maximum Daily Concentration (mg/L)</u>	<u>Maximum Monthly Average (mg/L)</u>
Cadmium, total	0.11	0.07
Chromium, total	2.77	1.71
Copper, total	3.38	2.07
Lead, total	0.69	0.43
Nickel, total	3.98	2.38
Silver, total	0.43	0.24
Zinc, total	2.61	1.48
Cyanide, (A)	0.86	0.32
Cyanide, (T)	1.2	0.65
pH	6.0 - 9.0	6.0 - 9.0

B. Total toxic organics (TTO) are defined as the summation of all quantifiable values greater than 0.01 mg/L for the specified organics in the Metal Finishing regulation, 40 CFR Part 433. The TTO limit is specified as:

<u>Pollutant</u>	<u>Daily Maximum</u>	<u>Maximum Monthly Average</u>
TTO	2.13 mg/L	-

C. Plating solutions and any chemical sludge produced in the electroplating or finishing departments, or by the pretreatment system, shall not be discharged to the District's system, but shall be disposed of in an approved landfill or by other approved methods.

D. All discharges from this facility shall be in compliance with the ordinances of the District, the Statutes of the State of Illinois, and the regulations of the U.S. Environmental Protection Agency, and the Illinois Environmental Protection Agency.

E. The discharge from this facility shall not produce any adverse effects on the District sanitary sewer service that would endanger private or public property, the public health, the integrity of the receiving stream, the District's collection system, and/or the treatment processes of the District Wastewater Treatment Center.

III. Self-Monitoring and Reporting Requirements

A. The Permittee shall sample and analyze wastewater at the specific locations and for the parameters, frequencies and sample types specified herein:

<u>Parameter</u>	<u>Location</u>	<u>Frequency</u>	<u>Sample Type</u>
Flow	Plating/Finishing water meters	Daily Total	-
pH	001-A	3 Days/Month	One Grab Sample
Copper (T)	001-A	3 Days/Month	One manual composite
Nickel (T)	"	"	"
Silver (T)	"	"	"
Zinc (T)	"	"	"

Cyanide (T) 001-B 3 Days/Month* One Grab Sample

* Cyanide samples shall be collected only when cyanide batches have been treated, as they are discharged.

All samples shall be properly preserved at the time of collection and shall be representative of the volume and nature of the discharge.

B. The Permittee shall report of the above analyses to the District, on a quarterly basis. These quarterly self-monitoring reports shall be submitted by the twentieth day of the month following the calendar quarter, (i.e., April, July, October, January) and shall include the analytical results and measurements above, as well as the following information:

- 1) The volume of chemical solutions and sludges disposed of during the reporting period, the name of the hauler and the ultimate destination of the waste;
- 2) A description of any spills of materials which are prohibited from discharge to the sanitary sewer system, including any of the materials covered by the industrial spill prevention, containment and control (SPCC) plan. If no spills occurred, the following certification statement will be included in the report:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- 3) The report shall be signed by an Authorized Representative of the permitted industrial user, or a duly authorized agent and shall include the following certification statement:

"I have personally examined and am familiar with the information submitted in the attached document and I hereby certify under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment."

- 4) When analyses are reported from an outside laboratory, the name, address and telephone number for the lab shall be included in the report.

C. If the Permittee analyzes parameters listed in Sections II(A) and (B), at a frequency greater than that specified in Section III(A), the Permittee shall report these results in addition to those required in Section III(A).

D. The Permittee shall notify the District within 24 hours of when they receive notice that a sample has exceeded a permit limit for any of the parameters listed in Section II(A) and (B). The discharge in question shall be resampled within a reasonable length of time, not to exceed 30 days from the date of the violation.

E. Every six months, the Permittee shall collect one manual composite sample at sampling location 001-A, the pretreated, plating/finishing department wastewater discharge. It shall be collected over a normal operational day and analyzed for all the metals parameters listed in Section II(A). Cyanide shall be reported on one grab sample, collected at the cyanide destruction pit, 001-B. The results shall be submitted with the next regular self-monitoring report. These samples shall be representative of the volume and nature of the discharge.

F. The permittee shall notify the District immediately, by telephone, upon any accidental or slug discharge to the District's system. The permittee shall follow up with a written report within five (5) days of the incident, fully describing what occurred, who was notified, how the spill was cleaned up and disposed of and what measures will be taken to prevent a recurrence. By ordinance, a slug is defined for a permit limited pollutant as a concentration five times or more the stated limit, or a pollutant at a concentration which either interferes with the treatment system or passes through to the receiving stream.

G. On request by the District, the Permittee shall provide the District with splits on samples collected by the Permittee for elf monitoring purposes.

H. When a compliance schedule has been included as part of the permit, or amended to it, a Pretreatment Compliance Schedule Progress Report shall be submitted to the District no late than fourteen (14) days after the scheduled date for each increment of progress. At a minimum, these reports shall include whether the increment of progress has been complied with, and if not, the date which the permittee expects to comply with the increment of progress, and the steps being taken to return to the established schedule.

I. All measurements, tests, and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with other test procedures approved by the USEPA Administrator. Sampling shall be performed in accordance with the techniques approved by the USEPA Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question or where the USEPA Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods or any sampling and analytical procedures approved by the USEPA Administrator.

IV. Permit Compliance

A. The permittee shall install and maintain any equipment and implement any measures as are required to maintain compliance with the discharge limitations stated in Section II, subparagraphs (A) through (E).

B. In the event the Permittee does not comply with the conditions of this permit, the District General Manager shall notify the Permittee in writing of the specific violation of this permit. The Permittee shall be given ten (10) working days from the receipt of aforementioned notification to respond to the District in writing, detailing steps taken or to be taken by the Permittee to prevent a reoccurrence of the cited violation. In the event the District General Manager determines that the Permittee's action will not prevent a reoccurrence of a violation of this permit, the General Manager will notify the Permittee in writing of the measures and/or devices that the Permittee must institute to comply with the conditions of this permit and the time period in which said measures and/or devices must be implemented. The above provisions are in addition to, not in lieu of any other enforcement remedies available to the District.

C. The permit shall be revoked due to any falsification or intentional misrepresentation by the permittee of any data or information required under this permit.

D. Penalties for failure to comply with the terms and conditions of this permit, or orders issued hereunder, shall include fines of at least \$100, but no more than \$1000 per day, per violation. The District may seek to recover court costs, costs of monitoring and analyses caused by such violations and the costs of any actual damage incurred by the District.

V. General Conditions

A. All discharges authorized herein shall be consistent with the terms and conditions of this permit. In the event the type, quality or volume of wastewater from this facility is expected to materially and substantially change, the Permittee shall give a thirty (30) day notice in writing to the District and shall make new application to the District prior to said change. The Permittee shall not materially or substantially change the type, quality or volume of its wastewaters beyond that allowed by this permit, without prior approval with the District.

B. The Permittee shall allow representatives of the Downers Grove Sanitary District, upon presentation of credentials, ready access at all reasonable times to all parts of the Permittee's premises for the purposes of inspection, sampling, records examination, or other tasks necessary to monitor and insure compliance by the Permittee with the terms and conditions of this permit. The Permittee hereby licenses the District the right to use the existing roadway, parking lot and surface areas of the Permittee's facility for the purpose of collecting samples and making inspections of the wastewater discharges to the District's system.

C. All monitoring reports required under this permit will be available for public inspection at District offices.

D. The Permittee shall retain for a minimum of three (3) years and afford the District access to any and all records of monitoring activities and results related to wastewater discharges from the subject facility.

E. This permit is issued to the named Permittee for the specific operations permitted and is not transferable or assignable without the approval of the District.

F. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any State, Federal or local laws.

G. In the event a court of competent jurisdiction determines that any portion of this permit is invalid, such a determination shall not affect the validity of the remaining portions of this permit.

VI. Term of Permit

The term of this permit shall be from the issuance date of this permit to the stated expiration date. Provided, however, that the permit is contingent upon the issuance of an NPDES Permit to the District. provided further, that in the event a valid law, regulation, or ordinance requires the amendment of the terms and conditions of this permit, prior to its anticipated expiration date, the District may amend this permit upon thirty (30) days written notice to the Permittee.

REPORTING REQUIREMENT SUMMARY

<u>Item</u>	<u>Due at DGSD</u>
1. Quarterly Self-Monitoring Reports	By the twentieth day of the month following the calendar quarter (i.e., April, July, October and January)
2. Permit Excursion Notice	Within 24 hours of your notice of a result exceeding a permit limit, call the District to give notice. Contact Jan Buchner or Ralph Smith, or leave a message specifically describing the message as a <u>permit excursion notice</u> .
3. Spill or Slug Discharge Reports	Notify the District's Laboratory Director, Janet Buchner or Operations Director, Ralph Smith by telephone as soon as possible after the spill or slug discharge is discovered. A written report must be submitted to and received by the DGSD within <u>five</u> calendar days of the telephone notification
4. Compliance Reports	Submitted within 14 calendar days after the scheduled completion of an increment of progress listed in the compliance schedule.
5. Process or Flow Changes	Submitted to and received by the DGSD within 30 calendar days prior to any changes at which time re-application shall be made for the Industrial Discharge Permit.
6. Permit Renewal Application	Submitted to and received by the DGSD 90 days in advance of current permit expiration.

All reports should be mailed to

Janet Buchner
Laboratory Services Director
DOWNERS GROVE SANITARY DISTRICT
2710 Curtiss Street
Downers Grove, Illinois 60515

DGSD Telephone Contacts

Mon-Fri, 8:00 a.m. - 4:00 p.m.....969-0664....Laboratory Services Director

During non-business hours, weekends and holidays, call the same number, 969-0664 and leave a message with the answering service for the person on call.